



Tunneling in Complex Systems

Guest Editors:

Prof. Dr. Eric J. Heller

Department of Physics and
Department of Chemistry and
Chemical Biology, Harvard
University, Cambridge, MA 02138,
USA

Dr. Micheline Soley

Department of Chemistry and
Department of Physics-Affiliate;
University of Wisconsin-Madison,
Madison, WI 53706, USA

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Message from the Guest Editors

This Special Issue aims to bring together discussions of quantum tunneling from different fields to address the questions of what constitutes tunneling, how it relates to its counterparts such as Anderson localization and quantum reflection, in addition to generating further knowledge and innovations and highlighting what unites tunneling across disciplines. Topics include but are not limited to:

- tunneling in thermal systems
- many-body tunneling
- tunneling time
- dynamical tunneling
- chaos-assisted tunneling
- coherent vs incoherent tunneling
- role of Planckian times
- tunneling in glassy systems
- tunneling in quantum solids like H₂ below 13 K
- tunneling in molecules
- tunneling in biological systems





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Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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Entropy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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